

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/018, 112 A  
Source: PCT  
Date Processed by STIC: 06/15/2005

***ENTERED***



PCT

RAW SEQUENCE LISTING DATE: 06/15/2005  
PATENT APPLICATION: US/10/018,112A TIME: 15:46:51

Input Set : A:\-52-1.app  
Output Set: N:\CRF4\06152005\J018112A.raw

4 <110> APPLICANT: Petersdorf, Effie W.  
5 Guo, Zhen  
6 Hansen, John A.  
7 Hood, Leroy  
8 Fred Hutchinson Cancer Research Center  
9 University of Washington  
11 <120> TITLE OF INVENTION: Oligonucleotide Arrays for High  
12 Resolution HLA Typing  
14 <130> FILE REFERENCE: 14538A-005210US  
16 <140> CURRENT APPLICATION NUMBER: US 10/018,112A  
C--> 17 <141> CURRENT FILING DATE: 2001-12-14  
19 <150> PRIOR APPLICATION NUMBER: US 60/139,843  
20 <151> PRIOR FILING DATE: 1999-06-17  
22 <150> PRIOR APPLICATION NUMBER: WO PCT/US00/16722  
23 <151> PRIOR FILING DATE: 2000-06-16  
25 <160> NUMBER OF SEQ ID NOS: 141  
27 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
29 <210> SEQ ID NO: 1  
30 <211> LENGTH: 20  
31 <212> TYPE: DNA  
32 <213> ORGANISM: Artificial Sequence  
34 <220> FEATURE:  
35 <223> OTHER INFORMATION: HLA-B PCR probe A1, exon 2, location 5-24  
37 <400> SEQUENCE: 1  
38 tcacaccctc cagagcatgt  
40 <210> SEQ ID NO: 2  
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42 <212> TYPE: DNA  
43 <213> ORGANISM: Artificial Sequence  
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46 <223> OTHER INFORMATION: HLA-B PCR probe A2, exon 2, location 5-24  
48 <400> SEQUENCE: 2  
49 tcacatcatc cagaggatgt  
51 <210> SEQ ID NO: 3  
52 <211> LENGTH: 20  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Artificial Sequence  
56 <220> FEATURE:  
57 <223> OTHER INFORMATION: HLA-B PCR probe A3, exon 2, location 5-24  
59 <400> SEQUENCE: 3  
60 tcacacttgg cagacgtatgt  
62 <210> SEQ ID NO: 4  
63 <211> LENGTH: 20

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64 <212> TYPE: DNA  
65 <213> ORGANISM: Artificial Sequence  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: HLA-B PCR probe A4, exon 2, location 5-24  
70 <400> SEQUENCE: 4  
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74 <211> LENGTH: 20  
75 <212> TYPE: DNA  
76 <213> ORGANISM: Artificial Sequence  
78 <220> FEATURE:  
79 <223> OTHER INFORMATION: HLA-B PCR probe A5, exon 2, location 5-24  
81 <400> SEQUENCE: 5  
82 tcacacttgg cagaggatgt 20  
84 <210> SEQ ID NO: 6  
85 <211> LENGTH: 20  
86 <212> TYPE: DNA  
87 <213> ORGANISM: Artificial Sequence  
89 <220> FEATURE:  
90 <223> OTHER INFORMATION: HLA-B PCR probe A6, exon 2, location 5-24  
92 <400> SEQUENCE: 6  
93 tcacaccctc cagacgatgt 20  
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96 <211> LENGTH: 20  
97 <212> TYPE: DNA  
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100 <220> FEATURE:  
101 <223> OTHER INFORMATION: HLA-B PCR probe A7, exon 2, location 5-24  
103 <400> SEQUENCE: 7  
104 tcacaccctc cagaatatgt 20  
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107 <211> LENGTH: 20  
108 <212> TYPE: DNA  
109 <213> ORGANISM: Artificial Sequence  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: HLA-B PCR probe A8, exon 2, location 5-24  
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115 tcacatcatc cagagcatgt 20  
117 <210> SEQ ID NO: 9  
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119 <212> TYPE: DNA  
120 <213> ORGANISM: Artificial Sequence  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: HLA-B PCR probe A9, exon 2, location 5-24  
125 <400> SEQUENCE: 9  
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128 <210> SEQ ID NO: 10  
129 <211> LENGTH: 20  
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131 <213> ORGANISM: Artificial Sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: HLA-B PCR probe A10, exon 2, location 5-24  
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144 <220> FEATURE:  
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152 <212> TYPE: DNA  
153 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
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158 <400> SEQUENCE: 12  
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164 <213> ORGANISM: Artificial Sequence  
166 <220> FEATURE:  
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169 <400> SEQUENCE: 13  
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173 <211> LENGTH: 20  
174 <212> TYPE: DNA  
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177 <220> FEATURE:  
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185 <212> TYPE: DNA  
186 <213> ORGANISM: Artificial Sequence  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: HLA-B PCR probe B4, exon 2, location 21-40  
191 <400> SEQUENCE: 15  
192 atgtaaaggct gcgacgtggg 20  
194 <210> SEQ ID NO: 16  
195 <211> LENGTH: 20  
196 <212> TYPE: DNA  
197 <213> ORGANISM: Artificial Sequence

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199 <220> FEATURE:  
200 <223> OTHER INFORMATION: HLA-B PCR probe B5, exon 2, location 21-40  
202 <400> SEQUENCE: 16  
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207 <212> TYPE: DNA  
208 <213> ORGANISM: Artificial Sequence  
210 <220> FEATURE:  
211 <223> OTHER INFORMATION: HLA-B PCR probe B6, exon 2, location 21-40  
213 <400> SEQUENCE: 17  
214 atgtacggct gcgacacctggg 20  
216 <210> SEQ ID NO: 18  
217 <211> LENGTH: 20  
218 <212> TYPE: DNA  
219 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: HLA-B PCR probe B7, exon 2, location 21-40  
224 <400> SEQUENCE: 18  
225 atgttggct gcgacacctggg 20  
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228 <211> LENGTH: 20  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Artificial Sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: HLA-B PCR probe B8, exon 2, location 21-40  
235 <400> SEQUENCE: 19  
236 atgtatggct gcgacatggg 20  
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239 <211> LENGTH: 20  
240 <212> TYPE: DNA  
241 <213> ORGANISM: Artificial Sequence  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: HLA-B PCR probe B9, exon 2, location 21-40  
246 <400> SEQUENCE: 20  
247 atgtatggct gcgacgtggg 20  
249 <210> SEQ ID NO: 21  
250 <211> LENGTH: 20  
251 <212> TYPE: DNA  
252 <213> ORGANISM: Artificial Sequence  
254 <220> FEATURE:  
255 <223> OTHER INFORMATION: HLA-B PCR probe C1, exon 2, location 41-60  
257 <400> SEQUENCE: 21  
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260 <210> SEQ ID NO: 22  
261 <211> LENGTH: 20  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:

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266 <223> OTHER INFORMATION: HLA-B PCR probe C2, exon 2, location 41-60  
268 <400> SEQUENCE: 22  
269 gccccgacggg cgcttcctcc 20  
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276 <220> FEATURE:  
277 <223> OTHER INFORMATION: HLA-B PCR probe C3, exon 2, location 41-60  
279 <400> SEQUENCE: 23  
280 gccgggacggg cgccttcctcc 20  
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283 <211> LENGTH: 20  
284 <212> TYPE: DNA  
285 <213> ORGANISM: Artificial Sequence  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: HLA-B PCR probe D1, exon 2, location 61-80  
290 <400> SEQUENCE: 24  
291 gcggggcatga ccagttacgcc 20  
293 <210> SEQ ID NO: 25  
294 <211> LENGTH: 20  
295 <212> TYPE: DNA  
296 <213> ORGANISM: Artificial Sequence  
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301 <400> SEQUENCE: 25  
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305 <211> LENGTH: 20  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Artificial Sequence  
309 <220> FEATURE:  
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312 <400> SEQUENCE: 26  
313 gcggggcataa ccagtttagcc 20  
315 <210> SEQ ID NO: 27  
316 <211> LENGTH: 20  
317 <212> TYPE: DNA  
318 <213> ORGANISM: Artificial Sequence  
320 <220> FEATURE:  
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324 gcgggtataa ccagttcgcc 20  
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328 <212> TYPE: DNA  
329 <213> ORGANISM: Artificial Sequence  
331 <220> FEATURE:  
332 <223> OTHER INFORMATION: HLA-B PCR probe D5, exon 2, location 61-80

**VERIFICATION SUMMARY**

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date